

Title (en)
IMPROVED PROCESS FOR PREPARING PENICILLINS AND CEPHALOSPORINS

Publication
EP 0473008 A3 19920826 (EN)

Application
EP 91113629 A 19910814

Priority
IT 2131590 A 19900828

Abstract (en)
[origin: EP0473008A2] Improved process for preparing penicillins and cephalosporins by reacting 6-amino-penicillanic acid, 7-amino-cephalosporanic acid, 7-amino-3-deacetoxy-cephalosporanic acid or their derivatives with derivatives of alpha -aminoacids in the presence of a properly immobilised penicillin acylase enzyme, at a temperature ranging from -5 DEG C to +20 DEG C. The process minimises the production of by-products and ensures industrially advantageous yields.

IPC 1-7
C12P 35/04; **C12P 37/04**; **C12P 17/18**

IPC 8 full level
C12P 35/04 (2006.01); **C12P 37/04** (2006.01)

CPC (source: EP)
C12P 35/04 (2013.01); **C12P 37/04** (2013.01)

Citation (search report)
• [X] FR 2255379 A1 19750718 - SNAM PROGETTI [IT]
• [AD] FR 2132271 A1 19721117 - TAKEDA CHEMICAL INDUSTRIES LTD
• [AP] WO 9109136 A1 19910627 - CONSEJO SUPERIOR INVESTIGACION [ES]

Cited by
US6060268A; NL1006266C2; EP0730035A1; EP0567323A3; US5801011A; CN1063491C; WO2012175587A2; US7029885B2; WO9913058A3; WO9856945A1; WO9856946A1; US6465227B1; WO2012175585A1; KR100481138B1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0473008 A2 19920304; **EP 0473008 A3 19920826**; IT 1243800 B 19940628; IT 9021315 A0 19900828; IT 9021315 A1 19920228

DOCDB simple family (application)
EP 91113629 A 19910814; IT 2131590 A 19900828